

product **AS05 083A**

**HSP70/HSC70 | Heat shock protein 70/Heat shock cognate protein 70,  
Affinity purified**

### product information

<b>background</b>	<b>Heat shock protein 70 (Hsp70)</b> is the major stress-inducible protein in vertebrates and is highly conserved throughout evolution. It plays a role as a molecular chaperone and is important for allowing cells to cope with acute stress or insult, especially those affecting the protein machinery. <b>Heat shock cognate protein 70 (HSC70)</b> is a highly conserved protein and a member of the family of molecular chaperones. Alternative names: HSP70.1, HSP70-1/HSP70-2, Heat shock 70 kDa protein 8
<b>immunogen</b>	<u>KLH</u> -conjugated synthetic peptide conserved across all known sequences of HSP70 <u>P08107</u> and HSC70 proteins <u>P11142</u>
<b>antibody format</b>	rabbit; polyclonal; affinity purified serum in PBS pH 7.4; lyophilized;
<b>quantity</b>	100 µg - for reconstitution add 100 µl of sterile water
<b>storage</b>	store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
<b>tested applications</b>	Western blot (WB), immunoprecipitation (IP)
<b>additional information</b>	for detection of plant and algal cytoplasmic hsp70 we recommend following product: <u>AS08 371</u>

### application information

<b>recommended dilution</b>	1: 1000 with standard ECL (WB), 1: 10 000 with ECL Advance (GE Healthcare), 1: 1000 (IP)
<b>expected   apparent MW</b>	70 kDa
<b>confirmed reactivity</b>	fish, mammals, fungi: <i>Antrodia infirma</i> , <i>A. sinuosa</i> , <i>A. xantha</i> , <i>Gloeophyllum protractum</i> , <i>G. sepiarium</i> , <i>G. carbonarium</i> , <i>Oligoporus sericiomollis</i> , <i>Phlebia cornea</i> , <i>Junghunia luteoalba</i>
<b>predicted reactivity</b>	vertebrates including bovine, hen, mouse, rat; insects including <i>Drosophila melanogaster</i>
<b>not reactive in</b>	no confirmed exceptions from predicted reactivity known in the moment
<b>additional information</b>	<b>this antibody is not suitable for work with samples from higher plants</b>

# Agrisera

Antibodies for research

This product is **for research use only** (not for diagnostic or therapeutic use)

contact: [support@agrisera.com](mailto:support@agrisera.com)

Agrisera AB | Box 57 | SE-91121 Vännas | Sweden | +46 035 33033 | [www.agrisera.com](http://www.agrisera.com)

**selected references** | to be added when available